## ABSTRACT

The device and methods relate to a sampling device for obtaining samples of analytes in a difficult-to-reach sampling location, such as below ground or underwater, and transporting the sample to an accessible delivery or collection site. The sampling device comprises a semipermeable membrane-based sampling chamber, which can be positioned under the ground or water surface where analytes of interest can permeate into the chamber through the semipermeable membrane. Transfer channels, which communicate with the sampling chamber, is used to transport the sample to the surface for analysis without removing the chamber from the sampling location.